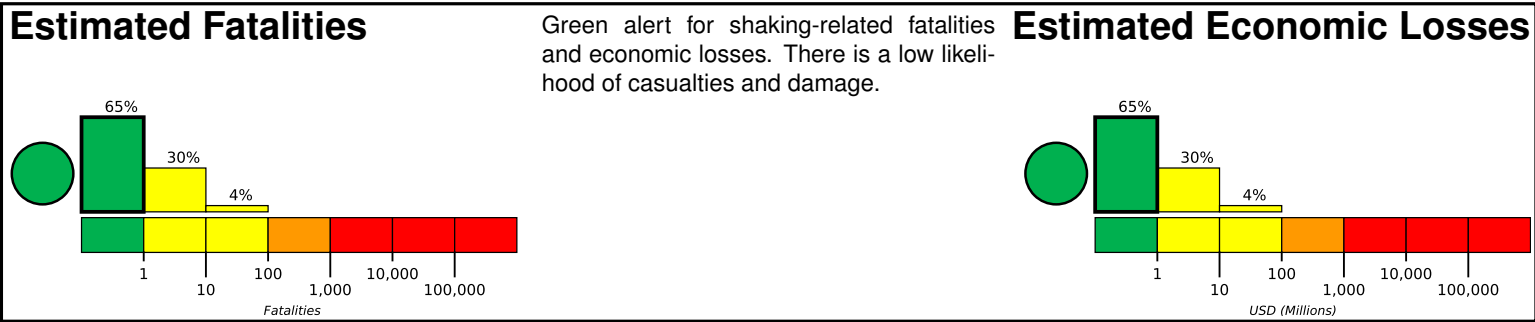


M 5.3, 100 km W of El Aguilar, Argentina

Origin Time: 2024-01-21 02:36:01 UTC (Sat 23:36:01 local)
Location: 23.3490° S 66.6516° W Depth: 202.5 km

PAGER Version 4

Created: 2 weeks, 6 days after earthquake

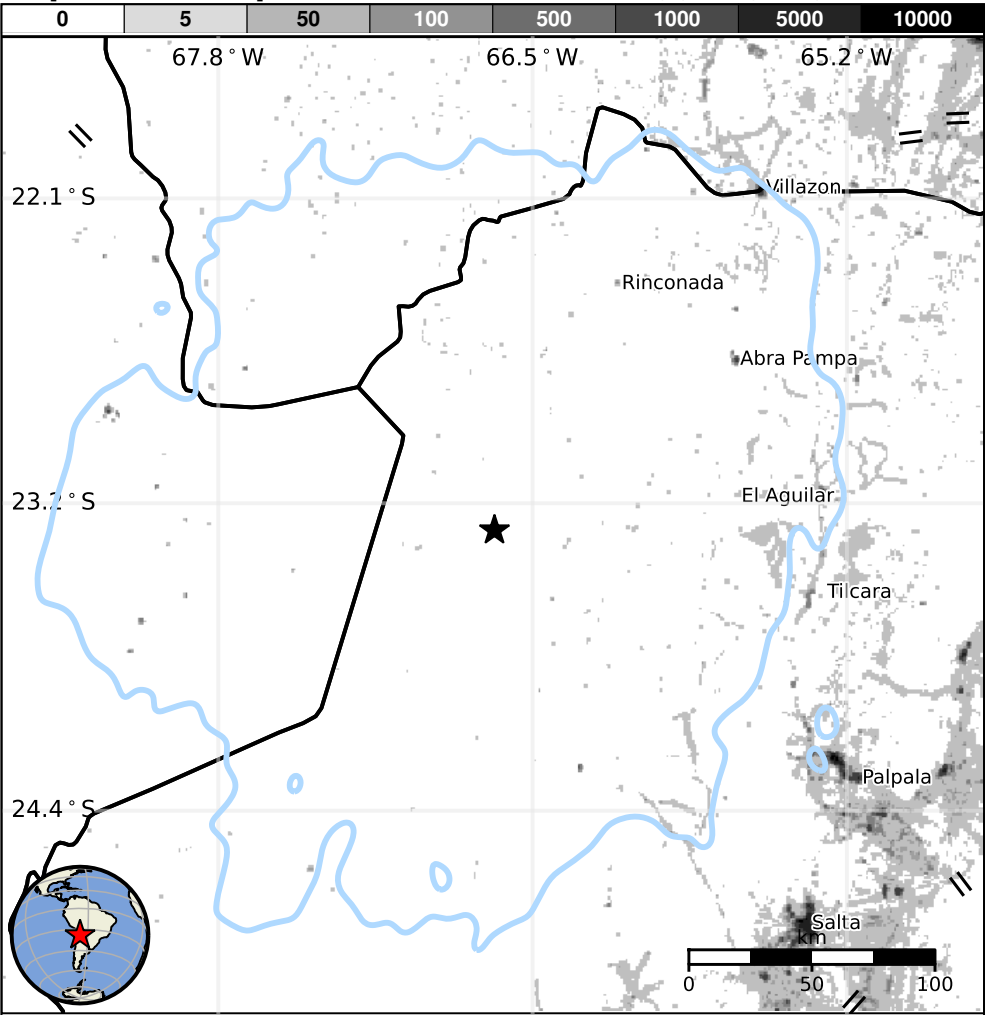


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,960k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1987-03-05	369	7.5	VII(46k)	1
2007-11-14	353	7.7	VII(33k)	2
1995-07-30	368	8.0	VIII(163k)	3

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

MMI	City	Population
III	Susques	<1k
III	San Antonio de los Cobres	4k
III	Abra Pampa	9k
III	Rinconada	<1k
III	Humahuaca	11k
III	San Pedro de Atacama	2k
II	San Salvador de Jujuy	306k
II	Libertador General San Martin	49k
II	Salta	513k
II	San Pedro	58k
II	Tarija	159k